

**PUBLIC UTILITIES DEPARTMENT
ENVIRONMENTAL MONITORING AND TECHNICAL SERVICES**

**South Bay Water Reclamation Plant (SBWRP)
Horticultural and Industrial Users Recycled Water Quality Report**

January 2011

| | Symbol | Unit of Measurement | Recycled Water Permit Limit ³ | SBWRP Recycled Water |
|-----------------------------------|-------------------------------|---------------------------|--|----------------------|
| Alkalinity | CaCO ₃ | mg/L | ----- | |
| Hydrogen Ion Activity | pH | Units | 6.0 -9.0 | |
| Electrical Conductivity | ECw | umhos/cm | ----- | |
| Total Dissolved Solids | TDS | mg/L | 1,200 | |
| Calcium | Ca | mg/L | ----- | |
| Magnesium | Mg | mg/L | ----- | |
| Potassium | K | mg/L | ----- | |
| Sodium | Na | mg/L | ----- | |
| Sulfate | S | mg/L | ----- | |
| Iron | Fe | mg/L | 0.3 | |
| Zinc | Zn | mg/L | ----- | |
| Manganese | Mn | mg/L | 0.05 | |
| Boron | B | mg/L | 0.7 | |
| Ammonia - Nitrogen | NH ₃ -N | mg/L | ----- | |
| Nitrate | NO ₃ | mg/L | ----- | |
| Total Nitrogen (Actual) | N | mg/L | ----- | |
| Phosphorus | P | mg/L | ----- | |
| Chloride | Cl | mg/L | 300 | |
| Total Nitrogen (Actual) | N | lbs/ acre ft ⁴ | ----- | |
| Phosphorus Pentoxide ¹ | P ₂ O ₅ | lbs/ acre ft ⁴ | ----- | |
| Potassium Oxide ² | K ₂ O | lbs/ acre ft ⁴ | ----- | |
| Residual Sodium Carbonate | RSC | meq/L | <1.25 | |
| Adjusted Sodium Adsorption Ratio | SAR | Calculated | 6 | |

¹Determined as Phosphorus in the elemental form (P); Phosphorus Pentoxide (P₂O₅) calculated by multiplying P by 2.3.

²Determined as Potassium in the elemental form (K); Potassium Oxide (K₂O) calculated by multiply K by 1.2.

³ SDRWQCB Order #97-03

⁴This value is presented in lbs/acre-ft of water applied 1 mg/L = 2.719 lbs/ac ft

* 1mg/L = 1ppm

----- = No Permit Limits